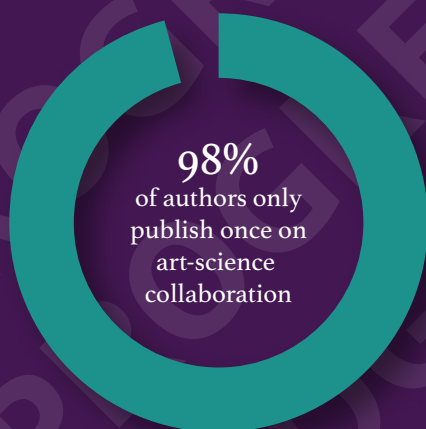


What does the landscape of literature about art-science collaboration look like?

- Searched SCOPUS for academic literature about art-science collaboration until August 2023.
- Manually reviewed items for relevance. Articles about art-science in general or profiling individual collaborations were excluded.
- 76 items, 163 authors, 42 journals/books.



64%
of articles
do not cite any
other work from
the sample



62%
of articles
do not share any
references

But those that do are centred around...

Frequently cited “authorities”:
“Being in Between”: Art-science Collaborations and a Technological Culture (Leach 2005)
Across the great divide: Boundaries and boundary objects in art and science (Halpern 2012)

“Hubs” which draw the literature together:
Surveying the literature on technoscience art: from pioneer stories to collaborations between artists, scientists and engineers as the object of study (Orrghen 2017)
Daring to disentangle: towards a framework for art-science-technology collaborations (Birsal et al. 2023)

What about wider influences on art-science collaboration research?

- Used Lens and Crossref to identify items which reference or are cited by the original sample more than once.
- Used the ForceAtlas2 algorithm with Graph Recipes to visualise the bibliographic network. Articles which draw on common literature appear closer together.
- 419 items, 2975 connections.

Neighbouring fields are connected...

typically by the work of only one author. These links show both the interdisciplinarity of art-science research and the challenge in defining art-science as its own field.

Multisensory Research

Plastic Pollution

An emerging but still diffuse core...

sits between several sub-clusters such as Technoscience Art and Sustainability Science. Orrghen's (2017) literature review and Birsal et al.'s (2023) recent framework act as "hubs", drawing related work together. Work in this "core" often bridges between climate and transdisciplinarity scholarship but is weakly linked with other similar work.

Climate communication scholarship is well established...

Articles in this cluster form a dense, interconnected network which suggests that work in this area draws on common reference points.

Central art-science clusters are interdisciplinary but insular...

Articles here tend to share influences with outside clusters but are poorly linked internally, suggesting that they do not frequently draw on a common literature.

Transdisciplinarity scholarship is moderately well established...

and forms a fairly loosely connected network which has strong ties with art-science collaboration research.